

J1017 U.S. PTO  
10/071039  
02/08/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Makoto Kikuchi et al. Art Unit : Unknown  
Serial No. : Examiner : Unknown  
Filed : February 8, 2002  
Title : COMPOSITION COMPRISING MIDKINE OR PLEIOTROPHIN PROTEIN  
AND METHOD OF INCREASING HEMATOPOIETIC CELLS

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/214,569, filed on January 7, 1999. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application:

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

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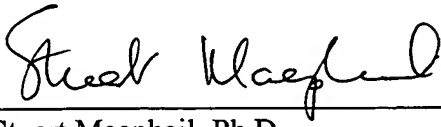
Francisco Robles  
Typed or Printed Name of Person Signing Certificate

Applicant : Makoto Kikuchi et al.  
Serial No. : To be assigned  
Filed : February 8, 2002  
Page : 2

Attorney's Docket No.: 06501-026002

Respectfully submitted,

Date: 2/8/2002

  
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SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
06501/026001SERIAL NO.  
09/214,569INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Makoto Kikuchi et al.FILING DATE  
January 7, 1999

GROUP

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	4	6	1	0	2	9	10/24/1995	Backer et al.	514	2	
	AB	4	8	6	8	1	1	9	09/19/1989	Clark et al.	435	240.2	
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 92/06712	04/30/1992	PCT				
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AQ							
	AR							
	AS							

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
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	AB						

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							YES	NO
	AC							
	AD							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AE	Bessho, Igaku no Ayumi (Progress in Medicine) 180(13):802-806, 1997. In Japanese with English explanation.
	AF	Kadomatsu et al., "cDNA Cloning and Sequencing of a New Gene Intensely Expressed in Early Differentiation Stages . . . Embryogenesis," Biochem. Biophys. Res. Commun. 151(3):1312-1318, 1988.
	AG	Kubo et al., "Different responses of human marrow and circulating erythroid progenitors to stem cell factor; interleukin-3 and granulocyte/macrophage colony-stimulating factor," Int. J. Hematol. 58:153-162, 1993.
	AH	Lyman et al., "Cloning of the Human Homologue of the Murine flt3 Ligand: A Growth Factor for Early Hematopoietic Progenitor Cells," Blood 83(10):2795-2801, 1994.
	AI	Rauvala, "An 18-kd heparin-binding protein of developing brain that is distinct from fibroblast growth factors," EMBO J. 8(10):2933-2941, 1989.
	AJ	Shiohara et al., "Synergism of Interferon- $\gamma$ and Stem Cell Factor on the Development of Murine Hematopoietic Progenitors in Serum-Free Culture," Blood 81(6):1435-1441, 1993.
	AK	Tsuji et al., "Enhancement of Murine Blast Cell Colony Formation in Culture by Recombinant Rat Stem Cell Factor, Ligand for c-kit," Blood 78(5):1223-1229, 1991.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06501-026001	Application No. 09/214,569
		Applicant Makoto Kikuchi et al.	
		Filing Date January 7, 1999	Group Art Unit 1646

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### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Muramatsu, "The Midkine Family of Growth/Differentiation Factors," Develop. Growth & Differ. 36(1):1-8, 1994.
	AR	Naito et al., "Similarity of the Genomic Structure between the Two Members in A New Family of Heparin-Binding Factors," Biochemical and Biophysical Research Communications 183(2):701-707, March 16, 1992.
	AS	
	AT	

Examiner Signature	Date Considered
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